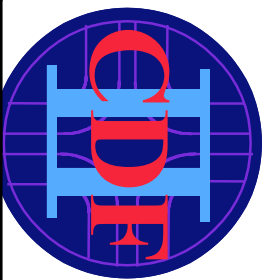


# Operations Report

Rob Harr

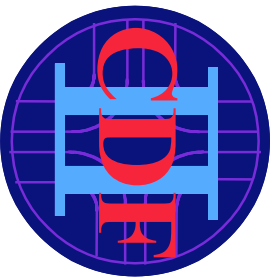
July 15, 2004

CDF Weekly Meeting



# This Week's Stores

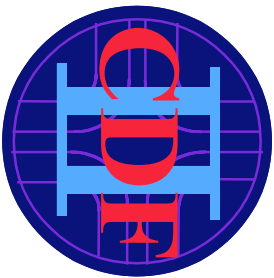
Date	Store	Hrs	$L_{init}$ [ $10^{30}$ ]	Deliv [nb <sup>-1</sup> ]	Lum to tape [nb <sup>-1</sup> ] (ε%)	Silicon [nb <sup>-1</sup> ] (ε%)	Comment
7/8	3629	4	58.8	682	567 (83)	567 (83)	Ch159, quench
7/9	3639	31	81.8	3194	2701 (85)	1997 (63)	L3, 3TT test, plug calib.
7/11	3641	10	85.2	1849	1591 (86)	1522 (82)	Si trip, power glitch
7/12	3650	26	69.5	2644	2276 (86)	1605 (61)	Plug calib., wet engine, trig test, TeV studies
7/13	3653	25	79.2	3031	2503 (83)	1884 (62)	RF trip, TEL problems, A.G. losses → Silicon off
7/15	3655		83.6				Ongoing
Total				11.4 pb <sup>-1</sup>	9.6 pb <sup>-1</sup> (85)	7.6 pb <sup>-1</sup> (85)	



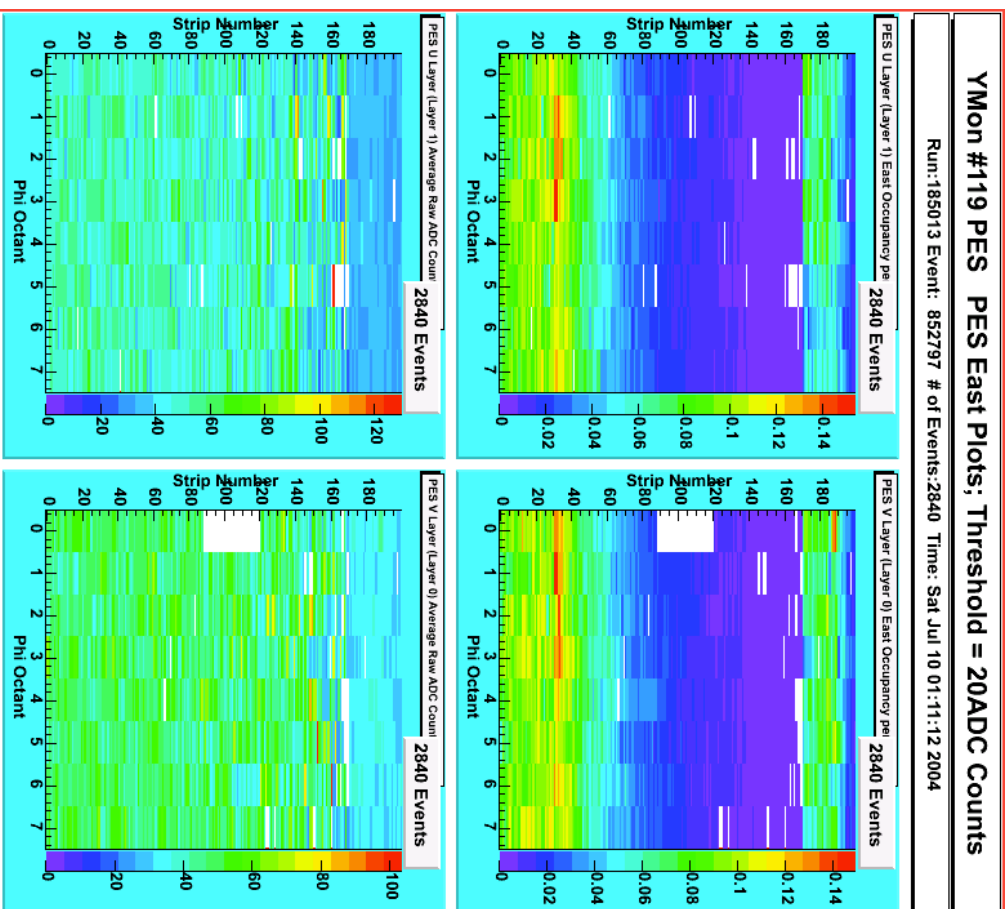
# Downtimes, 3582 to 3588

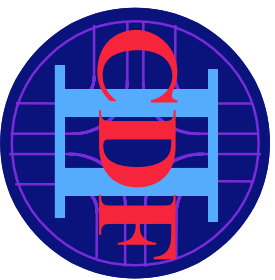
Category	Downtime (minutes)	Lost lumi [nb <sup>-1</sup> ]	Comments
Human Error	3	3054	What happens when Ace forgets to reset luminosity counter!
L3	121	206	2 occurrences
Startup	55	87	Running with silicon on/off, trig table tests
Other DAQ	45	68	Plug calibration, ch 159
TeV loss	34	60	Lost RF station, lost p spike
IFIX	14	53	Plug HV monitor restart

**6% deadline, 9% downtime**

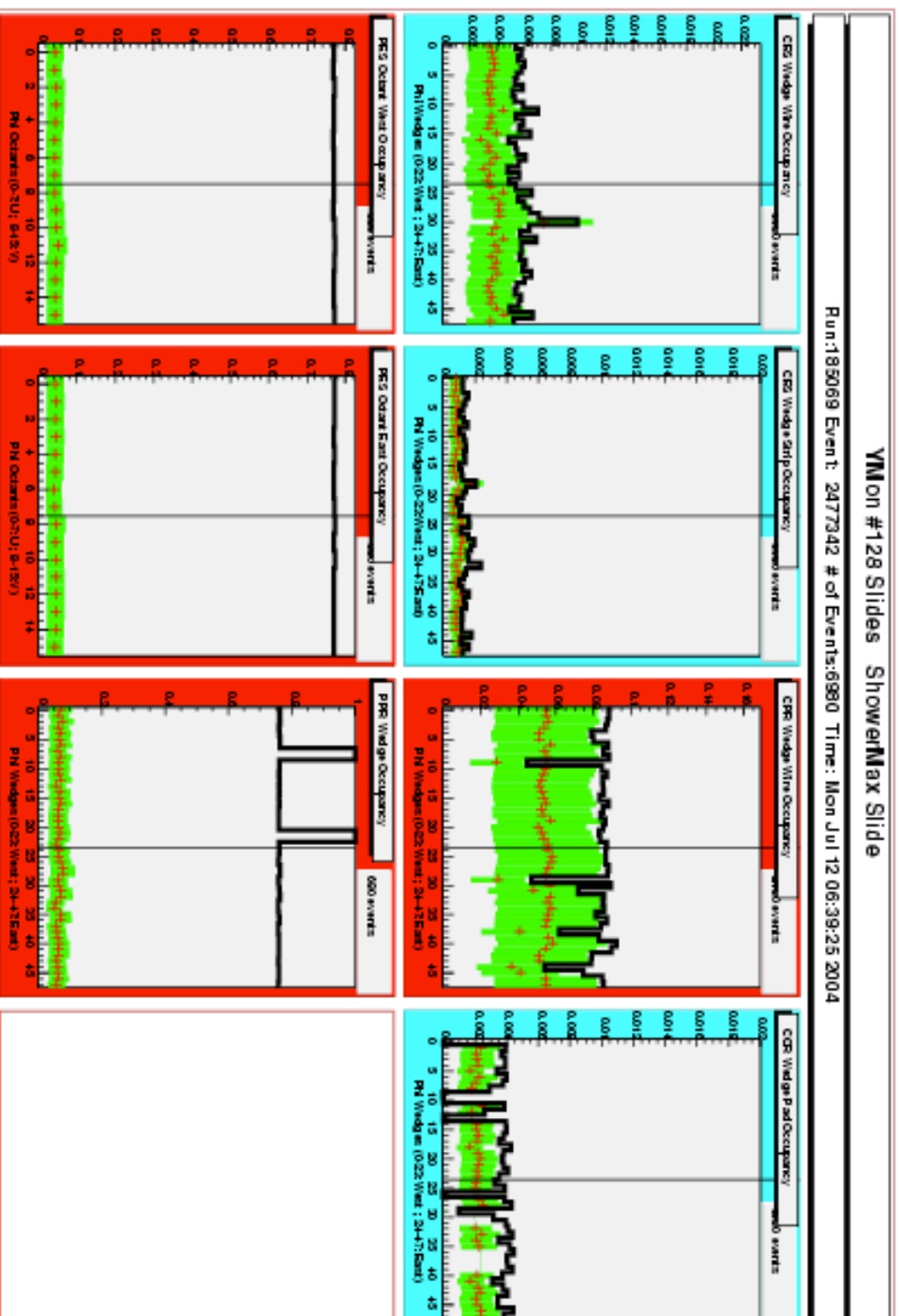


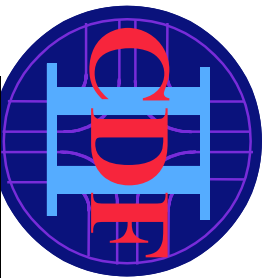
# PES - Saturday



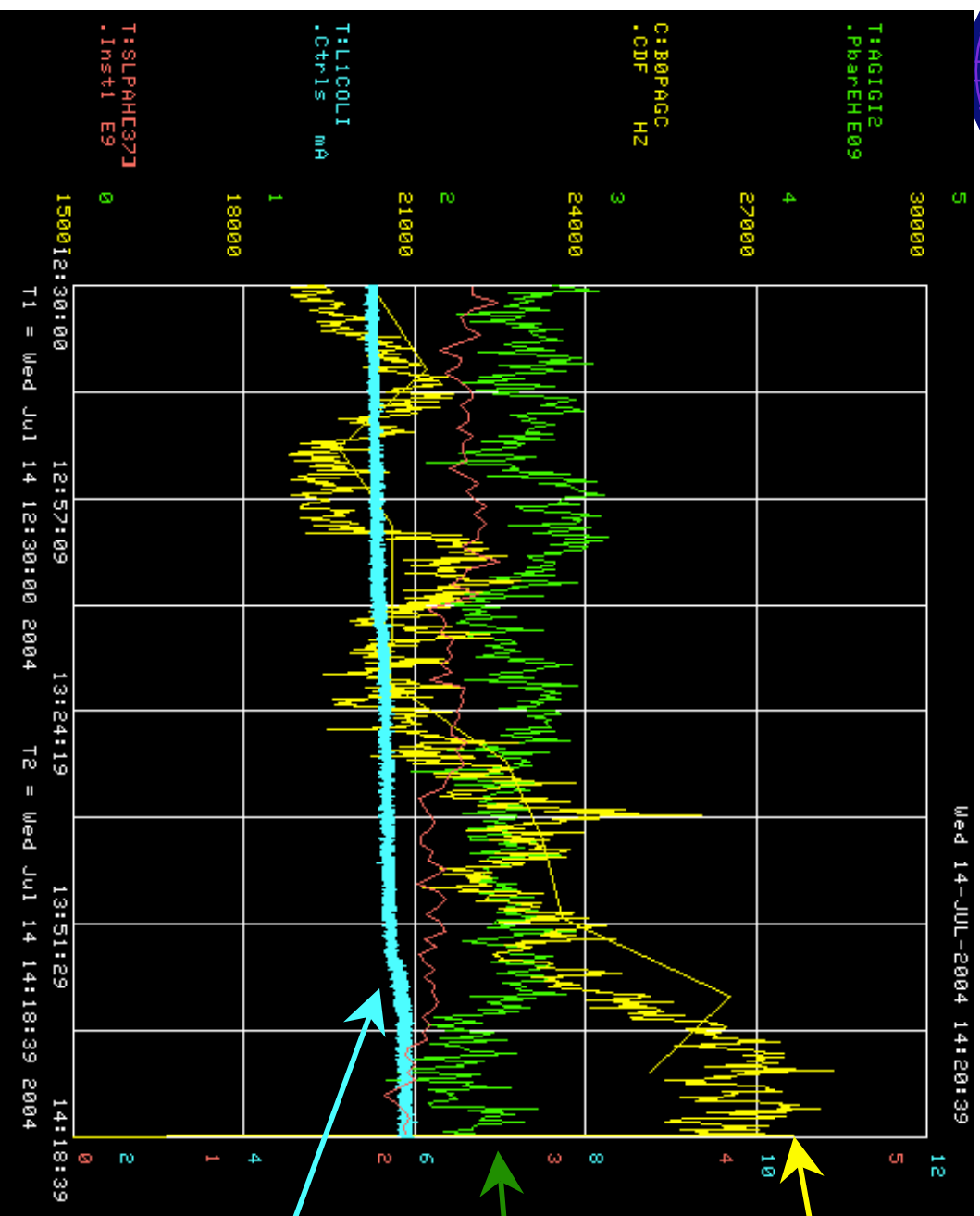


# PES and PPR - Monday



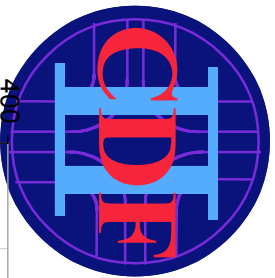


# Abort Gap After RF Station Loss

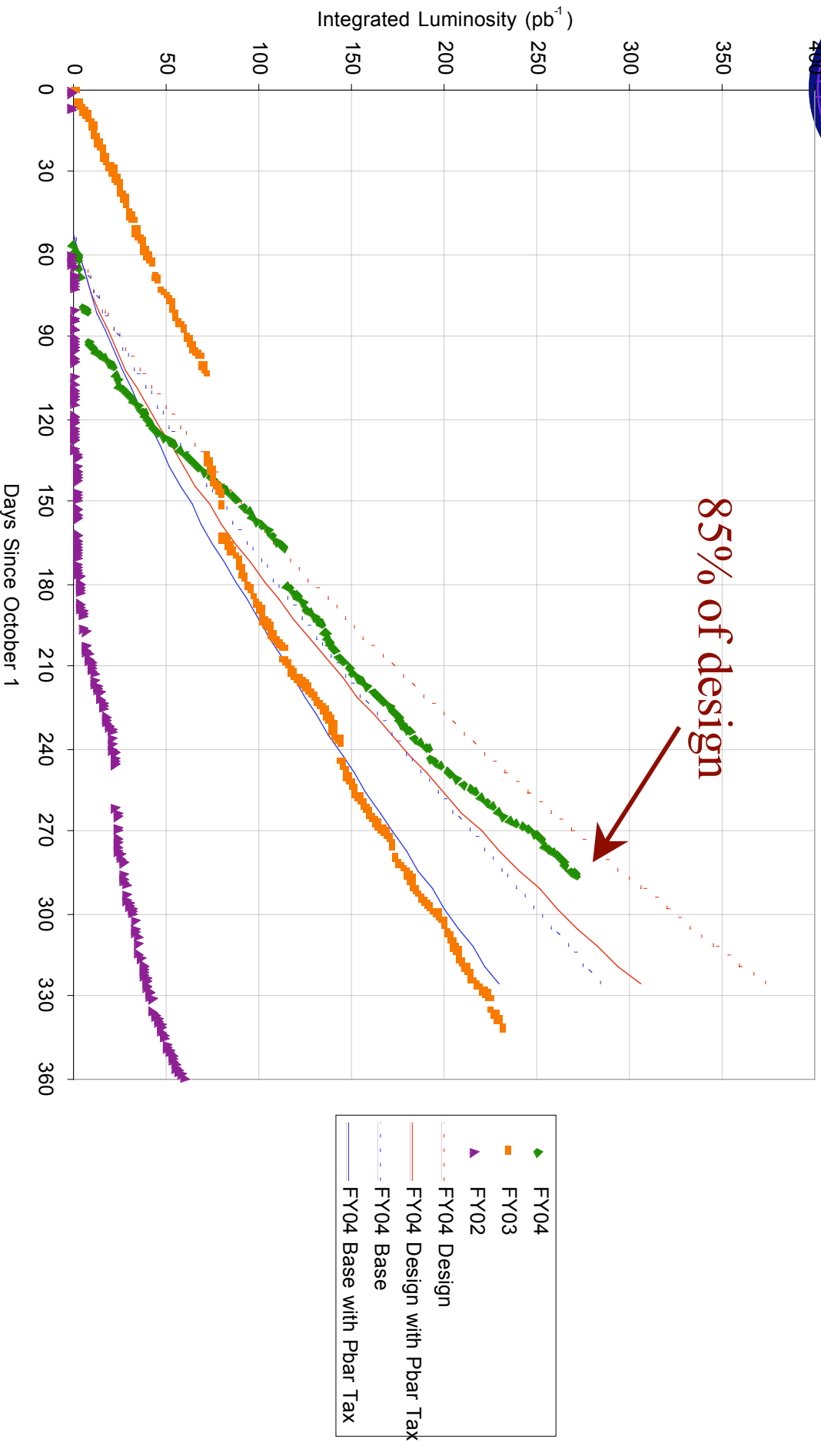


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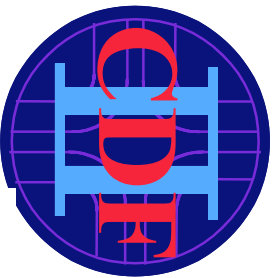


# Delivered Luminosity

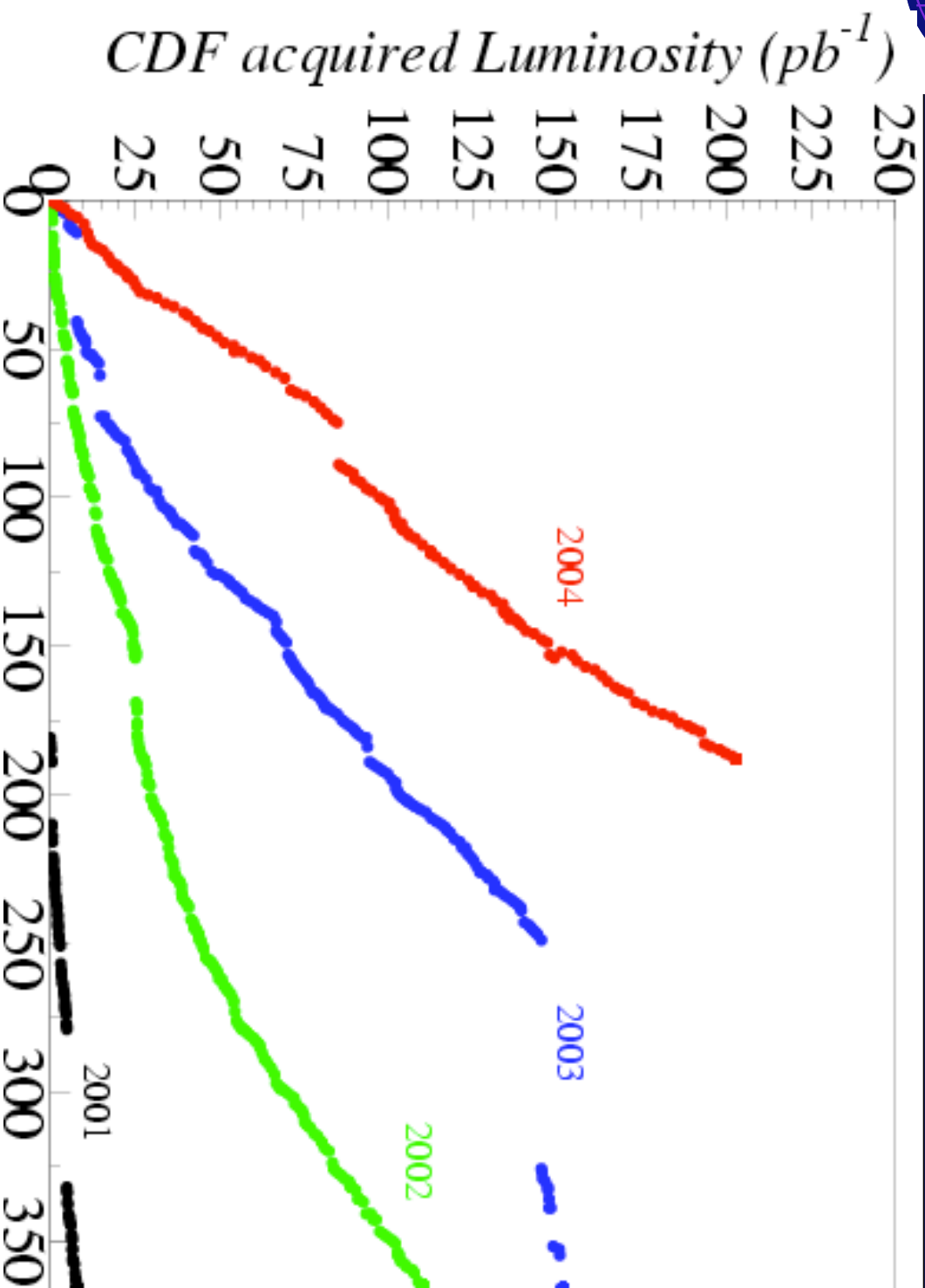


July 15, 2004

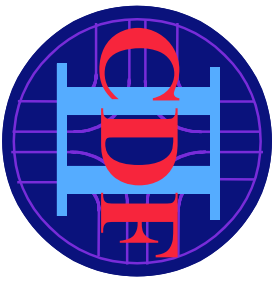
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# Acquired Luminosity





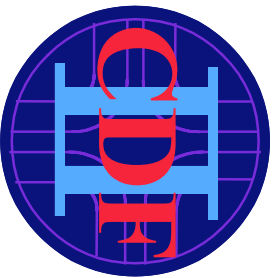


## Offline Summary

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- The last run processed on the farm is 185082 taken on 7/13. cdfarm2 is back. The raw data processing and calibration constants are caught up to within 3 days of data taking.
- Code librarians released 6.0.0int1 for the future Gen6.
  - Not for general use
- Physics monitoring: Since there is nothing special, I omit the plots.

from Tomonobu Tomura



# Summary

- Good week for the accelerator.
  - 2 lost stores (1 quench, 1 power glitch)
  - plused magnet change out limited pbar stacking over the weekend.
  - RF station loss on Wed. morning affected A.G. loss rates
- CDF ran well. Some minor problems affecting efficiency:
  - Corruption of showermax lookup table
  - L3 hangups
  - Abort gap losses after RF station trip
- There's a possible problem with COT cooling. We will investigate during an access after this store.
- Next shot will be mixed mode (pbars from recycler and accumulator).